Nationaal Lucht- en Ruimtevaartlaboratorium

National Aerospace Laboratory NLR













AMS Tracker Thermal Control Subsystem

TTCS DPS cleaning and check procedure

AMSTR-NLR-TPR-75 Issue 1.0 22 April 2008

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FILENAME	AMSTR-NLR-PR-075_1_0_DPS_cleaning_procedure.doc	
LAST SAVED	2009.10.05 17:14 by jvanes	
PRINTED	2009.10.05 17:16	
PAGES	8	

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Document change log

Change Ref. Section(s) All

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Initial issue





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1 Test objective

1.1 Scope & Objective

During incoming inspection at AIDC it was found that during transport from SYSU (China) to AIDC (Taiwan) the DPS entrance tubes were not properly closed. Therefore an cleanliness check has been performed to check cleanliness of the DPS sensors.

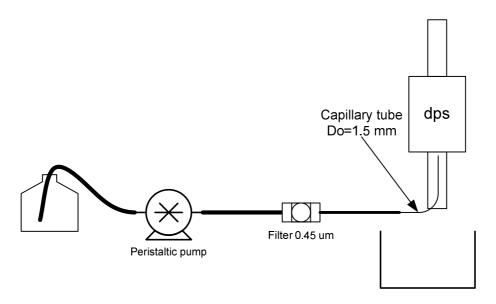
2 Test procedure

Date: 2008-04-22 AIDC (Taichung) Chun Ching Yeh / Aswin pauw

QM dps: type CYJ-1063, serial nrs: C01-05 & C01-07 QM dps internals have been cleaned by IPA flushing.

A set-up with a peristaltic pump, silicone tube and a capillary SS tube has been used to pump IPA into the dps. The tube has been bent as depicted in figure below.

By bending the tube the insertion length is restricted so no damage to the sensor could be done. Each hydraulic connection of the 2 QM dps units has been flushed for 4 minutes







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3 Test results

No contamination in the DPS's was found.





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